4 Multiplying and Dividing Decimals
$\qquad$
Ch 3 Day 4: Multiplying and Dividing Positive and Negative Decimal Numbers

Multiplying and Dividing Positive and Negative Decimal Numbers (3.4 and 3.5) First, some humour...

"ARENT THERE ENOUGH PROBLEMS IN THE WORLD ALREADY?"

## DIVISION DANGER - BY NANSCLARK



Multiplication and Division Sign Rules


Example 1: Write the sign for each of the following:
a) $(-6)(-12)+$
e) $(-9)(0) \quad 0 \quad 0$ is
b) $(4)(-4)$
c) $(9)(8)$
f) $(0)(-6)$ neither pos nor
neg!
Multiplying Decimal Numbers
Example 2:


Examplę 3: (1.3) (-2.4)


Example 4: (-0.03)(-0.002)


Example 5: Bob dives at a rate of $11.4 \mathrm{~m} / \mathrm{second}$. If he dives for 3.2 seconds, how far will he dive?


He will dive 36.48 m in 32 sec .

Example 6: You have 35 shares in Coca Cola stock. The price of 1 share changed by $\$-1.64$. How much money did you lose?
$0 \times 4$


Dividing Decimal Numbers
Example 7: You spent $\$ 11.22$ on 3 bags of chips. How much does each bag cost? $\quad 11.22 \div 3$

Divide
$M$ utterly
$S$ ubtract
$B$ ring dom Each bag
costs $\$ 3.74$.

Note: If there is a change per hour , minute, second $\qquad$ , it usually means you need to $\qquad$ divide $!$

Example 8: The temperature decreased by $10.5^{\circ} \mathrm{C}$ in 2.5 hours. What is the mean change in temperature per hour? $10.5 \div 2.5$ 4.5
$2.5 \begin{array}{r}10.50 \\ -100 \\ -50 \\ -50\end{array}$

The mean change in $T^{\circ}$ is $4.2^{\circ} \mathrm{C}$

Assignment:
Multiplication Sheet.

Sec. 3.5 (Division)p. 134

